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Docket No. J11L03
US App. No. 10/656,011IN THE CLAIMS:

1. (currently amended) An optical-controlled and voice-controlled optical fiber skipping-rope, including a voice-controlled constructional body, and an optical-controlled constructional body~~[[;]], and a luminescence rope connected to the voice-controlled constructional body and the optical-controlled constructional body, respectively, wherein~~

~~—Voice-controlled structure: consists of the voice-controlled constructional body comprises a upper cover under and a under cover defining a first housing; while the upper cover is equipped in its center with a press hole, whose a side face of the upper cover is equipped with multiple voice holes; besides, the under cover is equipped with anterior and posterior locking holes; in the first housing, the connection part of its upper cover and the lower cover, is equipped with a button, an a first integrated circuit board for music control, a first fixing sleeve head with a hollow space, an a first illuminant and a double-cell first battery are provided; wherein, the fixed seat of the button is placed on the integrated circuit board; wherein the first illuminant is installed in the hollow space of the first fixing sleeve head and engages with a first end of the luminescence rope;~~

~~—Optical-controlled structure: consists of the optical-controlled constructional body comprises a upper cover and a under cover defining a second housing, wherein, the upper cover is equipped in its center with a press hole, the under cover is equipped with anterior and posterior locking holes; while the connection part of upper cover and under cover is equipped with in the second housing, a button, an a second integrated circuit board for optical control, a second fixing sleeve head with a second hollow space, an a second illuminant and a double-cell second battery are provided; wherein, the fixed seat of the button is placed on the integrated circuit board; wherein the second illuminant is installed in the second hollow space of the second fixing sleeve head and engages with a second end of the luminescence rope.~~

~~—luminescence constructional body~~

~~—The product of this invention is formed by the mutual connection of the voice-controlled structure, optical-controlled structure & plastic optical fiber structure, having the features of practicability, security, warning, aesthetics & amusement.~~

2. (currently amended) An optical-controlled and voice-controlled optical fiber skipping-rope according to claim 1, wherein the first integrated circuit board is equipped thereon with a

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buzzer and a music chip to serve for music control.

3. (currently amended) An optical-controlled and voice-controlled optical fiber skipping-rope according to claim 1, wherein ~~the fixing foot of the first fixing sleeve head of the voice-controlled structure is~~ constructional body are placed on the first integrated circuit board; while the fixing sleeve head is also covering the illuminant.

4. (currently amended) An optical-controlled and voice-controlled optical fiber skipping-rope according to claim 1, wherein ~~the neck formed by the front end of the closing of upper cover and under cover of the voice-controlled structure is covering the tapered sleeve head and is connecting with the luminescence~~ constructional body rope has a first tapered sleeve head at its first end, the first tapered sleeve head is connected to a neck portion of the first housing of the voice-controlled constructional body and engages with the first fixing sleeve head for receiving light from the first illuminant.

5. (currently amended) An optical-controlled and voice-controlled optical fiber skipping-rope according to claim 1, wherein the second integrated circuit board is equipped thereon with an optical-controlled chip to serve for optical ~~fiber optical~~ control.

6. (currently amended) An optical-controlled and voice-controlled optical fiber skipping-rope according to claim 1, wherein ~~the fixing foot of the second fixing sleeve head of the optical-controlled structure is~~ constructional body are placed on the integrated circuit board; while the fixing sleeve head is also covering the illuminant.

7. (currently amended) An optical-controlled and voice-controlled optical fiber skipping-rope according to claim 1, wherein ~~the neck formed by the front end of the closing of upper cover and lower cover of the optical-controlled structure is covering the tapered sleeve head and is connecting with the luminescence~~ constructional body rope has a second tapered sleeve head at its second end, the second tapered sleeve head is connected to a neck portion of the second housing of the optical-controlled constructional body and engages with the second fixing sleeve head for receiving light from the second illuminant.

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8. (currently amended) An optical-controlled and voice-controlled optical fiber skipping-rope according to claim 1, wherein the luminescence ~~constructional body that rope is made of~~ optical plastic fiber ~~and light-emitting diode and lamp and luminescence pharmaceutical preparation constructional body.~~

9. (currently amended) An optical-controlled and voice-controlled optical fiber skipping-rope according to claim 1, wherein the optical fiber skipping-rope has a single-control and or a double-control.

10. (new) An optical-controlled and voice-controlled optical fiber skipping-rope according to claim 1, wherein the upper cover of the voice-controlled constructional body is equipped with a first press hole, a side face of the upper cover is equipped with multiple voice holes, the under cover of the voice-controlled constructional body is equipped with locking holes and, in the first housing, a first button for operating the first integrated circuit board for music control is provided and engages with the first press hole; and

wherein the upper cover of the optical-controlled constructional body is equipped with a second press hole, the under cover of the optical-controlled constructional body is equipped with locking holes and, in the second housing, a second button for operating the second integrated circuit board for optical control is provided and engages with the second press hole.

11. (new) An optical-controlled and voice-controlled optical fiber skipping-rope according to claim 1, wherein the first and the second fixing sleeve head has a cylindrical shape with a cylindrical hollow space.

12. (new) An optical-controlled and voice-controlled optical fiber skipping-rope according to claim 1, wherein the second integrated circuit board for optical control has an optical control chip thereon.